



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

POLNET COMMUNICATIONS, LTD.
4320 DUNDEE ROAD
NORTHBROOK IL 60062

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: January 31, 2013

Facility Id: 52909

Call Sign: WKTA

This license expires 3:00 a.m.
local time, December 01, 2020.

License File Number: BMML-20121023ACT

This license covers Permit No.: BP-20090819AEA

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Hours of Operation: Daytime with Secondary nighttime

Average hours of sunrise and sunset:
Local Standard Time (Non-Advanced)

Jan.	7:15 AM	4:45 PM	Jul.	4:30 AM	7:30 PM
Feb.	6:45 AM	5:30 PM	Aug.	5:00 AM	7:00 PM
Mar.	6:00 AM	6:00 PM	Sep.	5:30 AM	6:00 PM
Apr.	5:15 AM	6:30 PM	Oct.	6:00 AM	5:15 PM
May	4:30 AM	7:00 PM	Nov.	6:45 AM	4:30 PM
Jun.	4:15 AM	7:30 PM	Dec.	7:15 AM	4:15 PM

Callsign: WKTA

License No.: BMML-20121023ACT

Name of Licensee: POLNET COMMUNICATIONS, LTD.

Station Location: EVANSTON, IL

Frequency (kHz): 1330

Station Class: D

Antenna Coordinates:

Day

Latitude: N 42 Deg 08 Min 22 Sec

Longitude: W 87 Deg 53 Min 07 Sec

Night

Latitude: N 42 Deg 08 Min 22 Sec

Longitude: W 87 Deg 53 Min 07 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 5.0 Night: 0.110

Antenna Input Power (kW): Day: 5.4 Night: 0.188

Antenna Mode: Day: DA Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 10.39 Night: 1.54

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1253376	
3	1253385	
4	1253380	
6	1253382	

Night:

Tower No.	ASRN	Overall Height (m)
1	1253376	
2	1253736	
3	1253385	
4	1253380	
5	1253738	
6	1253382	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 653.69 Night: 101.84

Standard RMS (mV/m/km): Night: 107.45

Augmented RMS (mV/m/km): Day: 669.7

Q Factor: Day: Night:

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	76.9
3	1.0000	0.000	187.0000	5.000	0	76.9
4	1.0200	-122.500	60.0000	100.000	0	76.9
6	1.0000	-124.000	195.0000	22.500	0	76.9

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	28.0	42.0	208.99
2	340.0	20.0	75.59
3	346.0	12.0	78.89

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	76.9
2	0.3800	-175.000	93.5000	5.000	0	52.6
3	0.8000	97.000	187.0000	5.000	0	76.9
4	0.6800	-164.000	60.0000	100.000	0	76.9
5	0.2400	-147.000	106.6000	39.100	0	52.6
6	1.6200	-46.000	195.0000	22.500	0	76.9

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	120.9	1.071
3	121.2	1.045

Day Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
4 1.2	1.063
6 0	1

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 43.2	0.63
2 -129.7	0.339
3 140.1	0.498
4 -116.2	0.427
5 -98.1	0.211
6 0	1

Antenna Monitor: POTOMAC INSTRUMENTS AM 1901-6

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

- 1 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.
- 2 Licensee shall be responsible for satisfying all reasonable complaints of blanketing interference within the 1 V/m contour as required by Section 73.88 of the Commission's rules.
- 3 Ground system consists of 120 equally spaced, buried, copper radials about the base of each tower, each 56.4 meters in length except where terminated by property boundaries or where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers.
- 4 The licensee shall perform the measurements described in Section 73.155 at least once within every 24 month period.

*** END OF AUTHORIZATION ***